

To: Jewett, David[Jewett.David@epa.gov]
Cc: Mayer, Paul[Mayer.Paul@epa.gov]; Leidy, Robert[Leidy.Robert@epa.gov]; Brush, Jason[Brush.Jason@epa.gov]; Goldmann, Elizabeth[Goldmann.Elizabeth@epa.gov]
From: Sumner, Rich
Sent: Tue 5/27/2014 9:36:37 PM
Subject: Seeking expert advice -- Rosemont Mine Project (AZ) -- Review hydro component of aquatic mitigation plan
[Birdseye-view-map-Over-Tucson-from-Cienega-Watershed.pdf](#)
[Sonoita Creek Ranch location.pptx](#)

Hello David,

My name is Rich Sumner. I work for EPA's National Wetland Program out of ORD's Corvallis Lab. And, I am in an office down the hall from Paul Mayer. Paul suggested that I reach-out to you for possible technical assistance of a short-term nature. It has to do with the review of a mitigation plan that was submitted for the proposed Rosemont Mine in Arizona.

In particular, my colleagues in EPA Region 9 are involved in the review and decision-making for the Rosemont Mine. In the email below, Dr. Rob Leidy explains the need for additional EPA internal review of the hydrological aspects of a compensatory mitigation plan submitted by the mine sponsor. I have also attached some general locational information on the project.

Both Rob and I are hopeful that you may be interested, technically comfortable and available to examine the plan. EPA Region 9 would very much appreciate hearing your expert advice on the plan's technical assumptions, analytical approach and overall merit.

That said, we very much understand that your time is taken with many other serious matters such as hydraulic fracturing. Please let us know if it would possible to arrange a call with you to discuss our request.

Much obliged, and best regards,

Rich

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From: Leidy, Robert

Sent: Tuesday, May 27, 2014 1:10 PM

To: Sumner, Rich

Subject: Seeking ORD expert assistance/advice

Rich,

As you know, the Rosemont Copper Company (Rosemont) has proposed the Rosemont Copper mine in Pima County, Arizona, about 30 miles south of Tucson, on about 4,750 acres of predominantly Coronado National Forest Lands. The U.S. Forest Service is the federal lead agency and is preparing an Environmental Impact Statement. The U.S. Army Corps of Engineers is the permitting authority under section 404 Clean Water Act. EPA is reviewing Rosemont's request for a 404 permit to discharge dredged or fill material into waters of the United States (waters). To offset impacts to waters, Rosemont has proposed compensatory mitigation. In particular, one component of the mitigation proposal involves the design and construction of ephemeral channels adjacent to Sonoita Creek on the Sonoita Creek Ranch, Santa Cruz County, AZ.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

References

Kondolf, G. M., 1998. Lessons learned from river restoration projects in California. *Aquatic Conservation: Marine and Freshwater Ecosystems* 8: 39-52.

Kondolf, G.M., Smeltzer, M.W., and S. Railsback. 2001. Design and performance of a channel reconstruction project in a coastal California gravel-bed stream. *Environmental Management* 28(6): 761-776.

Simon, A., Doyle, M., Kondolf, M., Shields, F.D., Rhoads, B. and M. McPhillips. 2007. Critical evaluation of how the Rosgen classification and associated “natural channel design” methods fail to integrate and quantify processes and channel response. *Journal of the American Water Resources Association*. 43(5): 1117-1131.

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